

# RECEIVED

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201 South Main. Suite 2300 Salt Lake City, Utah 84111

October 14, 2014

IDAHO PUBLIC UTILITIES COMMISSION

#### VIA OVERNIGHT DELIVERY

Idaho Public Utilities Commission 472 West Washington Boise, ID 83702-5983

Attention:

Jean D. Jewell

**Commission Secretary** 

Re:

**CASE NO. PAC-E-14-09:** 

IN THE MATTER OF ROCKY MOUNTAIN POWER'S APPLICATION FOR APPROVAL OF INPUT UPDATES TO THE INTEGRATED RESOURCE PLAN (IRP) METHODOLOGY.

Dear Ms. Jewell;

Please find enclosed for filing an original and (7) seven copies of Rocky Mountain Power's annual compliance filing to update the model inputs for the IRP method avoided cost calculation. Pursuant to Commission Order 32697 utilities must provide annual updates for fuel prices, load forecasts, and changes to long term contracts for purchases or sales and any new or expiring OF contracts.

Any informal inquiries should be directed to Ted Weston at (801) 220-2963.

Sincerely,

Vice President, Regulation and Government Affairs

rug K. Janes / Nes

Daniel E. Solander (ISB# 8930) 201 South Main Street, Suite 2300 Salt Lake City, Utah 84111 Telephone No. (801) 220-4014 Facsimile No. (801) 220-3299 daniel.solander@pacificorp.com

Attorney for Rocky Mountain Power

#### BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

	)	
IN THE MATTER OF ROCKY	)	
MOUNTAIN POWER'S	)	CASE NO. PAC-E-14-09
APPLICATION FOR APPROVAL OF	)	
INPUT UPDATES TO THE	)	
INTEGRATED RESOURCE PLAN	)	APPLICATION
(IRP) METHODOLOGY	)	
	)	

Rocky Mountain Power ("Company") hereby respectfully submits to the Idaho Public Utilities Commission (the "Commission") this filing, in compliance to Order Nos. 32697 and 32802, to update the load forecast, natural gas forecast, and contract information components of the incremental cost Integrated Resource Plan ("IRP") avoided cost methodology. The Company is providing its updated load forecast, gas price forecast, and list of new PURPA contracts.

In support of its Application, Rocky Mountain Power states as follows:

- 1. Rocky Mountain Power is authorized to do and is doing business in the state of Idaho. The Company provides retail electric service to approximately 74,300 customers in the state and is subject to the jurisdiction of the Commission. Rocky Mountain Power is a public utility in the state of Idaho pursuant to Idaho Code § 61-129.
  - 2. Communications regarding this Application should be addressed to:

Ted Weston Daniel E. Solander 201 South Main, Suite 2300 Salt Lake City, Utah 84111 Idaho Public Utilities Commission Case No. PAC-E-14-09 Page 2

Telephone: (801) 220-2963

Fax: (801) 220-2798

Email: ted.weston@pacificorp.com

daniel.solander@pacificorp.com

In addition, the Company respectfully requests that all data requests regarding this matter be addressed to one or more of the following:

By e-mail (preferred) <u>datarequest@pacificorp.com</u>

By regular mail Data Request Response Center

**PacifiCorp** 

825 NE Multnomah, Suite 2000

Portland, OR 97232

# I. <u>BACKGROUND</u>

3. In its final Order No. 32697<sup>1</sup>, the Commission determined that the inputs to the IRP avoided cost methodology, utilized for all proposed Public Utility Regulatory Policies Act of 1978 ("PURPA") qualifying facility ("QF") projects that exceed the published rate eligibility cap, will be updated every two years upon acknowledgement of the utility's IRP filing, with the exception of the load forecast, natural gas forecast, and QF contract changes – which are to be updated annually. The date for the annual update was changed<sup>2</sup> from June 1 to October 15 each year.

### II. LOAD FORECAST

4. The Company's long term load forecast to be used for the update to the IRP avoided cost methodology was prepared in September 2014. The load forecast currently used for the IRP methodology avoided cost calculation was prepared in June 2013. Table 1 summarizes the load forecast prepared in September 2014, by jurisdiction. The June 2013 forecast is also provided for reference only.

<sup>&</sup>lt;sup>1</sup> Order No. 32697 page 22.

<sup>&</sup>lt;sup>2</sup> Order No. 32802 page 3.

TABLE 1 Load Forecast Update - Annual GWh

Load Forecast - September 2014								
Year	California	Idaho	Oregon	Utah	Washington	Wyoming	FERC	Total
2014	890	3,755	14,624	25,531	4,476	10,417	237	59,929
2015	887	3,740	14,702	25,908	4,477	10,527	134	60,374
2016	889	3,753	14,694	26,426	4,502	10,767	49 _	61,079
2017	886	3,761	14,700	26,673	4,496	10,842	199	61,557
2018	885	3,775	14,713	26,890	4,502	10,944	345	62,055
2019	884	3,792	14,757	27,183	4,506	10,954	345	62,421
2020	882	3,807	14,791	27,463	4,510	11,046	346	62,845
2021	875	3,816	14,763	27,638	4,488	10,998	346	62,923
2022	873	3,830	14,803	27,905	4,483	11,043	346	63,283
2023	871	3,847	14,864	28,221	4,487	11,022	347	63,660
2024	873	3,871	14,954	28,614	4,506	11,101	348	64,267
2025	869	3,882	14,942	28,902	4,501	11,056	348	64,501
2026	868	3,897	14,968	29,275	4,508	11,109	348	64,972
2027	867	3,911	14,991	29,659	4,518	11,094	348	65,388
2028	870	3,930	15,041	30,130	4,546	11,180	350	66,048
2029	869	3,939	15,014	30,461	4,549	11,136	349	66,317
2030	870	3,955	15,031	30,890	4,567	11,194	350	66,857
2031	870	3,969	15,053	31,323	4,581	11,174	350	67,321
2032	875	3,993	15,109	31,845	4,611	11,255	352	68,039
2033	874	4,005	15,097	32,219	4,617	11,206	351	68,369
2034	877	4,025	15,139	32,678	4,636	11,262	352	68,968

Load Forecast - June 2013								
Year	California	Idaho	Oregon	Utah	Washington	Wyoming	FERC	Total
2013	897	3,701	14,566	24,579	4,435	10,175	228	58,580
2014	882	3,706	14,640	24,711	4,415	10,319	230	58,904
2015	879	3,712	14,763	25,531	4,411	10,489	139	59,923
2016	880	3,733	14,765	26,486	4,425	10,670	48 _	61,006
2017	875	3,744	14,830	26,798	4,414	10,772	163	61,597
2018	874	3,757	14,848	27,118	4,422	10,888	268	62,175
2019	873	3,772	14,881	27,513	4,431	11,007	268	62,745
2020	873	3,791	14,961	28,521	4,450	11,150	270	64,015
2021	869	3,800	14,955	28,892	4,444	11,217	269	64,446
2022	868	3,815	15,007	29,369	4,453	11,313	270	65,095
2023	868	3,836	15,080	29,956	4,470	11,418	270	65,899
2024	870	3,863	15,169	30,588	4,502	11,554	272	66,818
2025	868	3,878	15,156	31,067	4,511	11,621	271	67,371
2026	866	3,895	15,183	31,610	4,531	11,718	272	68,076
2027	865	3,912	15,208	32,167	4,552	11,818	273	68,796
2028	868	3,936	15,274	32,818	4,592	11,961	274	69,724
2029	868	3,950	15,261	33,318	4,607	12,043	274	70,321
2030	870	3,970	15,296	33,917	4,636	12,162	274	71,126
2031	871	3,990	15,327	34,528	4,661	12,272	275	71,923

Loads are net of DSM

## III. NATURAL GAS FORECAST

5. The Company's most recent Official Forward Price Curve was prepared September 30, 2014 ("1409 OFPC"). The official forward price curve forecast currently being used in the IRP method avoided cost calculation was prepared September 30, 2013 ("1309 OFPC"). Table 2 summarizes the September 30, 2014 official forward price curve for natural gas prices annually by market hub. The September 30, 2013 official forward price curve is also provided for reference only.

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TABLE 2
Natural Gas Price Update - \$/MMBtu

	Offical Forward Price Curve (1409) - 09/30/2014						
	Opal Gas	Henry Hub		Stanfield	San Juan		SOCALBOR
Year	Index	Index	Sumas Index	Index	Index	AECO Index	Index
2014	\$4.573	\$4.548	\$4.590	\$4.613	\$4.517	\$4.336	\$4.761
2015	\$3.879	\$4.001	\$3.944	\$3.975	\$3.906	\$3.584	\$4.179
2016	\$3.873	\$4.077	\$3.984	\$3.987	\$3.967	\$3.493	\$4.254
2017	\$4.009	\$4.217	\$4.159	\$4.086	\$4.108	\$3.545	\$4.400
2018	\$4.195	\$4.319	\$4.279	\$4.243	\$4.209	\$3.639	\$4.554
2019	\$4.339	\$4.419	\$4.377	\$4.360	\$4.309	\$3.811	\$4.706
2020	\$4.575	\$4.626	\$4.564	\$4.595	\$4.503	\$4.114	\$4.967
2021	\$5.063	\$5.171	\$5.104	\$5.122	\$5.014	\$4.671	\$5.436
2022	\$5.501	\$5.678	\$5.584	\$5.596	\$5.501	\$5.184	\$5.866
2023	\$5.692	\$5.872	\$5.764	\$5.788	\$5.704	\$5.368	\$6.076
2024	\$5.901	\$6.072	\$5.950	\$5.999	\$5.901	\$5.558	\$6.280
2025	\$6.043	\$6.218	\$6.080	\$6.143	\$6.055	\$5.706	\$6.443
2026	\$6.246	\$6.412	\$6.272	\$6.336	\$6.246	\$5.890	\$6.654
2027	\$6.486	\$6.655	\$6.499	\$6.590	\$6.499	\$6.122	\$6.915
2028	\$6.732	\$6.891	\$6.719	\$6.825	\$6.732	\$6.348	\$7.169
2029	\$7.013	\$7.175	\$6.986	\$7.121	\$7.027	\$6.622	\$7.472
2030	\$7.294	\$7.459	\$7.252	\$7.404	\$7.307	\$6.895	\$7.775
2031	\$7.432	\$7.600	\$7.390	\$7.544	\$7.446	\$7.026	\$7.923
2032	\$7.574	\$7.745	\$7.531	\$7.688	\$7.588	\$7.159	\$8.073
2033	\$7.725	\$7.900	\$7.681	\$7.841	\$7.740	\$7.303	\$8.235

Offical Forward Price Curve (1309) - 09/30/2013							
	Opal Gas	Henry Hub		Stanfield	San Juan		SOCALBOR
Year	Index	Index	Sumas Index	Index	Index	AECO Index	Index
2014	\$3.704	\$3.859	\$3.855	\$3.781	\$3.718	\$3.426	\$3.941
2015	\$3.827	\$4.056	\$3.967	\$3.886	\$3.872	\$3.435	\$4.135
2016	\$3.897	\$4.165	\$4.012	\$3.943	\$3.975	\$3.437	\$4.246
2017	\$4.035	\$4.301	\$4.148	\$4.084	\$4.125	\$3.575	\$4.417
2018	\$4.254	\$4.447	\$4.293	\$4.262	\$4.271	\$3.740	\$4.608
2019	\$4.594	\$4.748	\$4.559	\$4.580	\$4.562	\$4.092	\$4.940
2020	\$5.001	\$5.248	\$4.948	\$4.983	\$4.975	\$4.630	\$5.245
2021	\$5.294	\$5.625	\$5.256	\$5.276	\$5.273	\$5.034	\$5.433
2022	\$5.547	\$5.866	\$5.508	\$5.535	\$5.507	\$5.276	\$5.687
2023	\$6.124	\$6.413	\$6.081	\$6.115	\$6.061	\$5.832	\$6.255
2024	\$6.323	\$6.563	\$6.306	\$6.313	\$6.228	\$6.017	\$6.444
2025	\$6.390	\$6.607	\$6.378	\$6.386	\$6.291	\$6.073	\$6.526
2026	\$6.372	\$6.584	\$6.379	\$6.378	\$6.269	\$6.045	\$6.516
2027	\$6.484	\$6.677	\$6.492	\$6.504	\$6.386	\$6.142	\$6.637
2028	\$6.532	\$6.708	\$6.559	\$6.567	\$6.436	\$6.192	\$6.702
2029	\$6.929	\$7.114	\$6.994	\$7.005	\$6.837	\$6.593	\$7.133
2030	\$7.099	\$7.304	\$7.121	\$7.125	\$6.985	\$6.703	\$7.261
2031	\$7.222	\$7.434	\$7.252	\$7.259	\$7.109	\$6.800	\$7.398
2032	\$7.366	\$7.583	\$7.397	\$7.404	\$7.251	\$6.936	\$7.546
2033	\$7.513	\$7.734	\$7.545	\$7.552	\$7.396	\$7.075	\$7.697

### IV. CONTRACT ADDITIONS AND TERMINATIONS

6. Since the previous IRP method update compliance filing made in October 2013, the Company has signed 43 long-term contracts with qualifying facilities for a total nameplate capacity of 893.2 megawatts. Two long-term contracts with a combined nameplate capacity of 159.8 megawatts were terminated. A list of signed and terminated contracts is provided in Table 3.

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TABLE 3
Long-Term Contracts

	Contracts signed since the October 2013 Update			Contracts On-line	by July System Peak
	Nameplate				
No.	Contract	(MW)	Start Date	Year	Nameplate (MW)
1	Adams Solar Center	10.0	2016 10 31	2014	202.7
2	Bear Creek Solar Center	10.0	2016 10 31	2015	560.7
3	Beatty Solar	5.0	2016 12 01	2016	741.7
4	Black Cap II	8.0	2016 12 01	2017	893.2
5	Bly Solar Center	8.5	2016 10 31		
6	Chopin Wind	10.0	2016 05 30		
7	Elbe Solar Center	10.0	2016 10 31		
8	Enterprise Solar I	80.0	2014 10 02		
9	Escalante Solar I	80.0	2014 10 02		
10	Es calante Solar II	80.0	2014 10 02		
11	Escalante Solar III	80.0	2014 10 02		
12	ExxonMobil	107.4	2012 01 01		
13	Fiddler's Canyon 3 Solar	3.0	2015 10 15		
14	Foote Creek II Wind	1.8	2014 06 17		
15	Foote Creek III Wind	24.8	2014 08 01		
16	George DeRuyter & Sons Dairy	1.2	2014 01 01		
17	Granite Peak Solar	3.0	2015 07 31		
18	Ivory Pine Solar	10.0	2016 12 01		
19	Kennecott Refinery	6.2	2014 01 01		
20	Kennecott Smelter	31.8	2014 01 01		
21	Laho #1 Solar	3.0	2015 07 31		
22	Lower Valley Energy	1.8	2014 09 02		
23	Loyd Fery	0.1	2014 07 01		
24	Mariah Wind	10.0	2015 09 01		
25	Milford 2 Solar	3.0	2015 10 15		
26	Milford Flat Solar	3.0	2015 07 31		
27	Orem Family Wind	10.0	2015 09 01		
28	Paul Luckey	0.1	2014 01 01		
29	Pavant Solar	50.0	2015 12 31		
30	Pioneer Wind	80.0	2016 06 30		
31	Quichapa 1 Solar	3.0	2016 05 30		
32	Quichapa 2 Solar	3.0	2016 06 30		
33	Quichapa 3 Solar	3.0	2016 07 30		
34	Roseburg Forest Product Dillard	20.0	2014 01 01		
35	Roush Hydro	0.1	2014 07 01		
36	Sprague River Solar	7.0	2016 12 01		
37	St. Anthony Hydro	0.7	2013 11 30		
38	Stahlbush Island Farms, Inc.	1.6	2014 10 01		
39	TATA Chemicals	30.0	2014 01 01		
40	Three Sister Hydro	0.7	2014 02 18		
41	Threemile Canyon	9.9	2015 01 01		
42	Utah Red Hills Solar	80.0	2016 12 31		
43	Warm Springs Hydro	2.7	2014 05 05		
	Total Signed MW	893.2			

	Long Term Contracts Terminated since the October 2013 Update						
No.	Contract	Nameplate (MW)	Terminated				
1 2	Long Ridge Wind I Long Ridge Wind II	79.9 79.9	2014 03 31 2014 03 31				
	Total Terminated MW	159.8					

Idaho Public Utilities Commission Case No. PAC-E-14-09

Page 8

7. Rocky Mountain Power submits these updated load forecast, natural gas forecast,

and contract information provided in the Tables 1, 2, and 3 in compliance with Commission

Order Nos. 32697 and 32802, and hereby respectfully requests an October 15, 2014 effective

date for the updates.

WHEREFORE, Rocky Mountain Power respectfully requests that the Commission

approve these filed updates to the IRP methodology and that this Application be processed

pursuant to Modified Procedure.

DATED this 14<sup>th</sup> day of October, 2014.

**ROCKY MOUNTAIN POWER** 

Daniel E. Solander

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